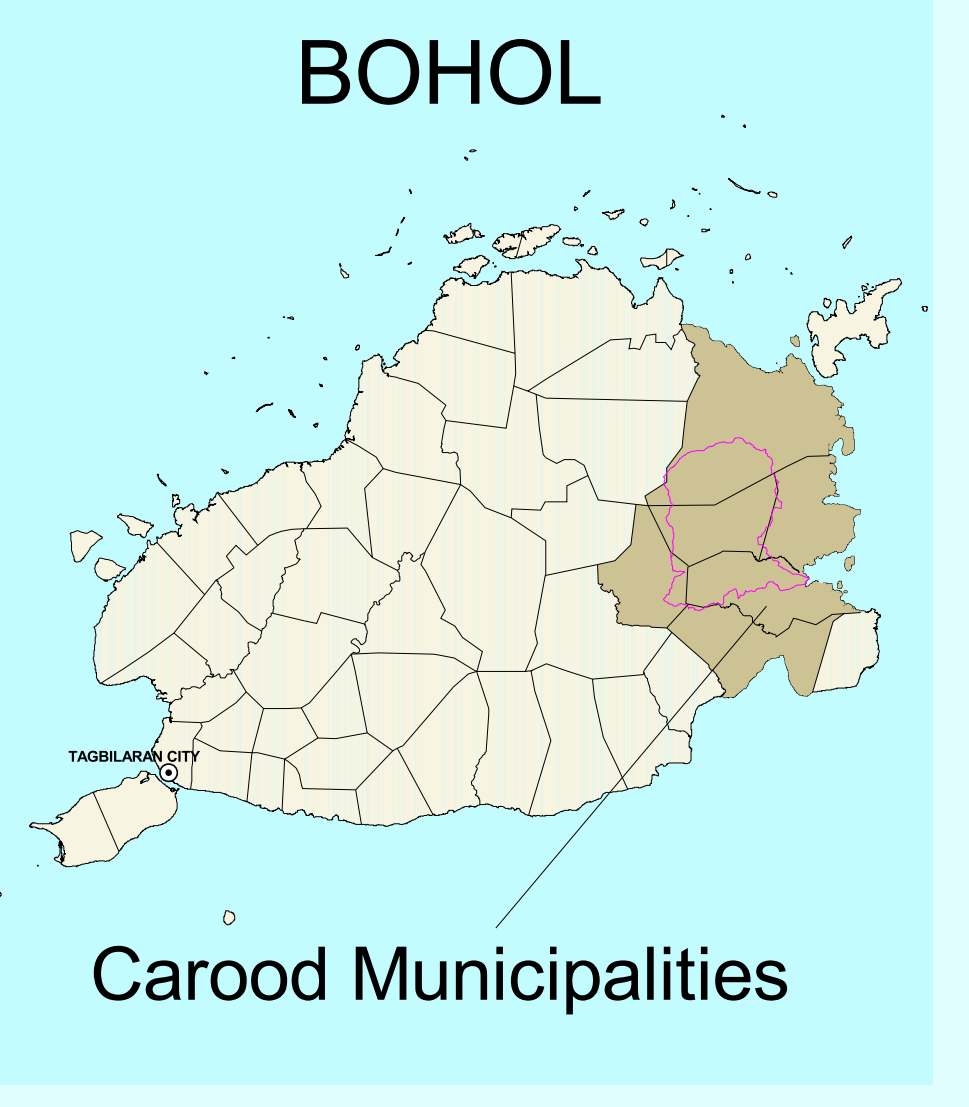


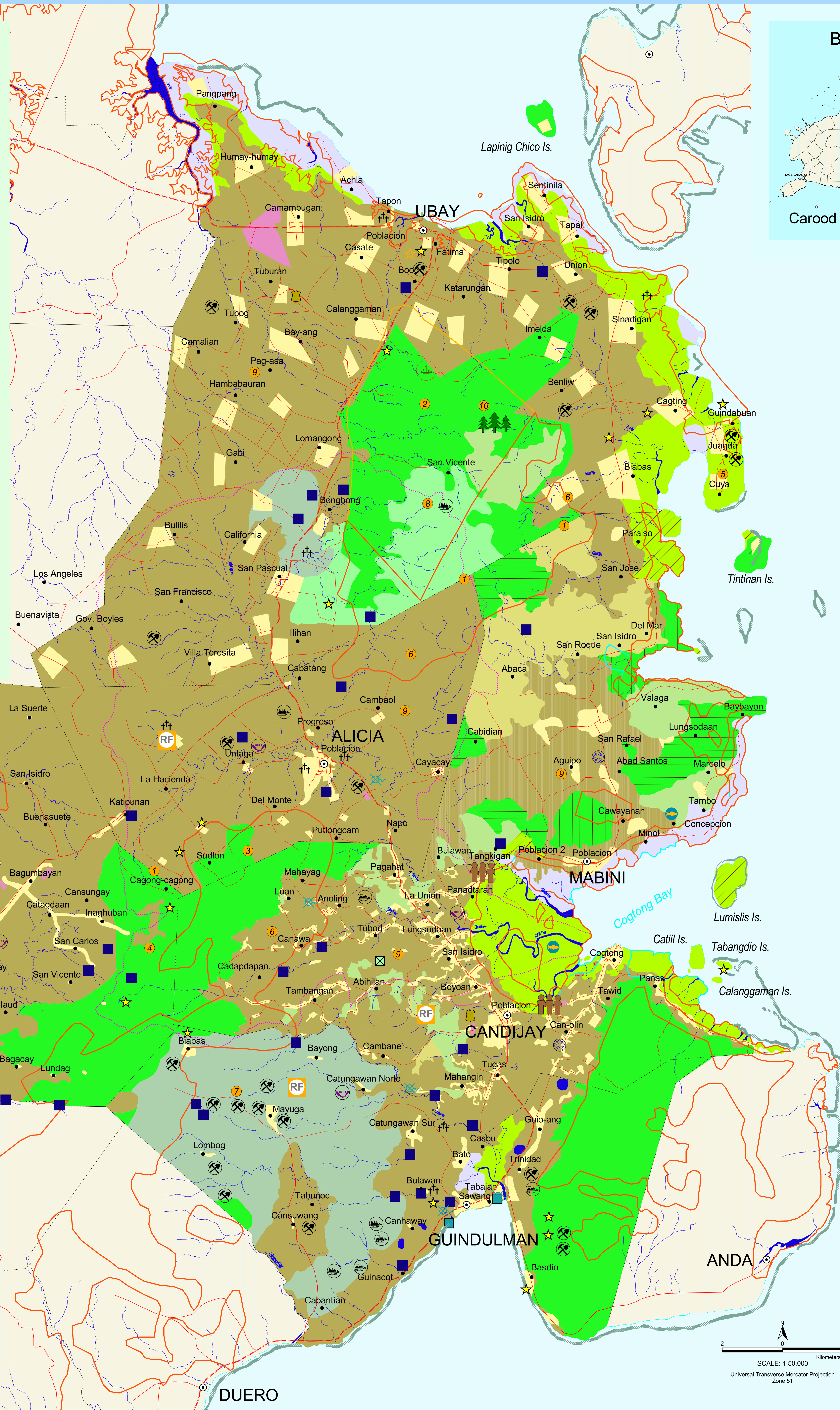
PROPOSED MUNICIPAL LAND USE PLANS

Carood Watershed



POINTS OF DISCUSSION

- 1 It is clearly translated with the map that political boundaries have great limitations as management unit in land use planning. The inconsistencies of proposed land use plan of one municipality and adjacent municipalities are very evident.
 - 2 In Ubay a big portion of proposed forest plantation is within the civil reservation managed by Department of Agriculture (DA).
 - 3 In Alicia allocation for forest is too marginal.
 - 4 In Pilar portion of A&D is allocated for forest use but not define as protection or production.
 - 5 There is a proposed quarry activity inside the mangrove areas which is harmful to coastal resources.
 - 6 Portions of proposed agricultural land in Ubay, Alicia and Candijay overlap forestland which is under the jurisdiction of the DENR.
 - 7 In Guindulman, quarrying activities are extensive and the scale of activities not known.
 - 8 In Ubay, the proposed site for dumpsite/ landfill is at the ridge line of Carood watershed and inside the reforestation area.
 - 9 Majority of proposed land use is for agricultural which is 49% of the total land area of the 6 municipalities (73,451 ha). It is important to assess soil productivity access to water, location of communities to determine what crops with economic value is suitable for the land.
 - 10 Oil palm project is within proposed forest use. Accordingly, DENR is considering oil palm as reforestation species. What is the location of other oil palm area?
- Can CBFM areas be reflected in the proposed land uses of Carood municipalities?
 - Can existing irrigation dams and canals be reflected especially in Ubay?
 - Southwestern quadrant of Carood Watershed and Northeast quadrant of Carood Watershed is proposed forest area and intended for reforestation project while the rest are mostly for agricultural. What management approach is in place because agriculture demands large volume of water, while reforestation need serious management effort to survive.



LEGEND:

- Agricultural (36,027 ha)
- Forest (11,607 ha)
- Protection (553 ha)
- Production (1,347 ha)
- Mangrove (5,114 ha)
- Protected Mangrove [NIPAS] (509 ha)
- Reforestation (1,686 ha)
- Agro-forestry (2,035 ha)
- Agro-industrial (5,277 ha)
- Grassland/Grazing Area (2,534 ha)
- Industrial (192 ha)
- Built-up (4,634 ha)
- Fishery (9,932 ha)
- River/Water Body
- Coastline
- Coral

- ★ Tourism
- ⊗ Quarry
- ⊗ Dumpsite/Landfill
- †† Cemetery
- Forestland
- Forest for Fishpond Development
- Civil Reservation
- Carood Watershed
- National Road
- Municipal Road
- Barangay Road
- Municipal Boundary
- Municipal Proper
- Barangay

Development Projects

- Maunlad na Niyugan Tugon sa Kahirapan Program
- Belgian Integrated Agricultural Resource Support Program (BIARSP)
- Abante Bohol (Poverty Reduction Project)
- Bohol Integrated Agriculture Promotion Project
- Aquaculture for Rural Development
- Oil Palm Project
- Integrated Rural Development Project
- Coastal Resource Management Project (CRMP)
- Integrated Population and Coastal Resource Management (IPOPCORM)
- Alternative Rural Financing Program
- Communal Irrigation System
- Special Economic Zone
- Installation of Flood Prone Device
- Landfill
- Seawall Structure

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Tagbilaran City
July 2004

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Guindulman (2001-2011), Mabinlani (2001-2010),
Pilar (1997-2006) and Ubay (2003-2012)

ESSC Levels of Deprivation and Development Programs Map
2004

ESSC National Watershed Database
2003

Municipal Boundaries, PDPF-PPDO
2002

NAMRIA Topo Maps - 1:50,000
Sheet # 3849-1 to 4, 3850-2 & 4
Compiled in 1956, reprinted 1988